## GSL XXII Seminar by: Randy Derr

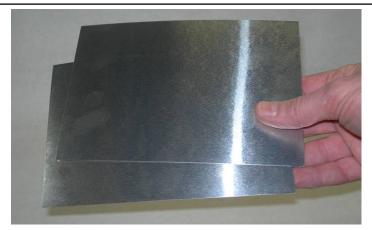
## "Uncommon Uses for Common Materials in Model Building"

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While many of the ideas included herein are the original ideas of the presenter, many are not and I apologize in advance for any "borrowed ideas" used without giving proper credit to their creators, but quite frankly, I can't remember who I borrowed them from.

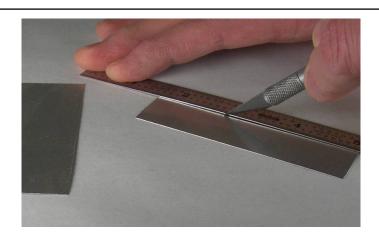
These ideas are presented as a collection of my favorites, ones I use regularly and I hope you can use and enjoy them too.

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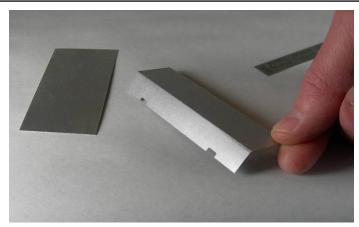


Aluminum flashing is found in the roofing materials department of home supply stores. It is about 0.010" thick with a nice glossy, brushed finish.

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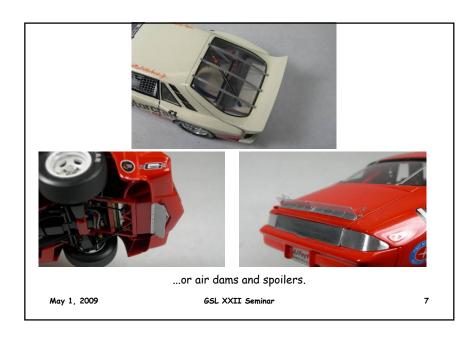
The metal is fairly rigid, but it can be scored and broken to form panels of the desired size and shape.



Scoring it lightly and bending it over the sharp edge of a workbench top allows for the forming of more complex panels. Small openings can be drilled and/or filed to shape.



The resulting panels can be used for entire interiors...







...replicate many different aluminum parts, such as hose clamps, straps, trim pieces, etc..



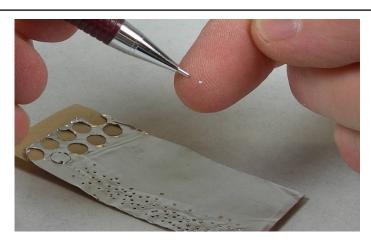
A favorite use involves modifying a Pentel mechanical pencil by sharpening the metal sheath that supports the lead...

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...then using this as a punch to cut out small dots of the aluminum tape...

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...which can then be applied using the lead advance mechanism to "eject" the dot...











Another fabric store item is ribbon. It comes in a large selection of colors, textures, and sizes, and has many modeling uses, such as...



...tie-down straps for work truck loads. Just add buckles made from aluminum sheet and hooks from small gage wire, give them a black wash to simulate dirt from use and you are finished.

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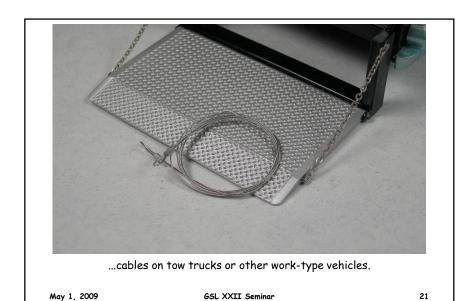


Beading wire found at craft stores...

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...or fishing line leaders from a sporting goods store can be used to make...



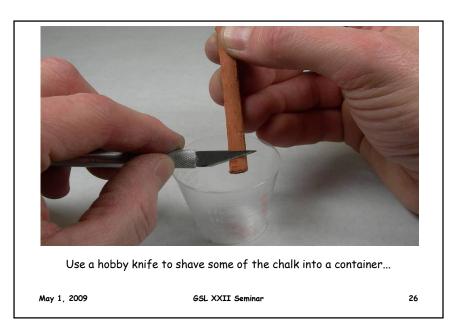








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...or exhaust systems to replicate evidence of small leaks.

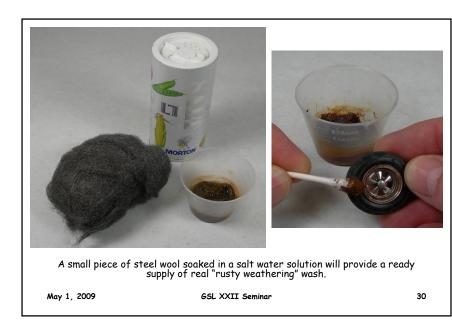
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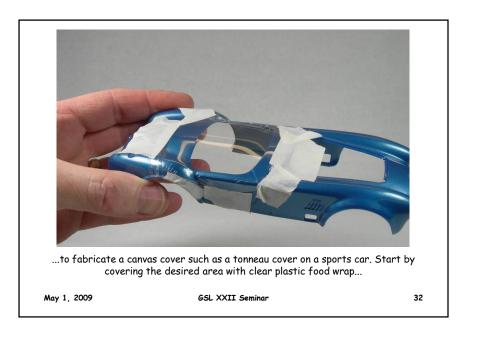
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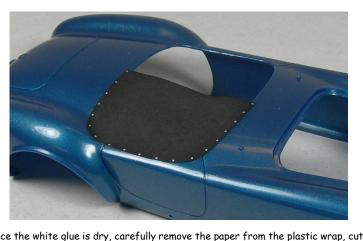


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...then apply a piece of tissue to the area, coating it with a mixture of white glue and water. Use caution not to tear the paper and be sure to work out all the trapped air bubbles.

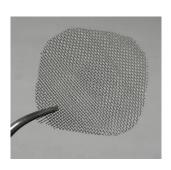


Once the white glue is dry, carefully remove the paper from the plastic wrap, cut to final shape, paint the desired color and add some rivet detail prior to gluing into position.

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Filter hose washers can be found in the plumbing department of the local home improvement store.

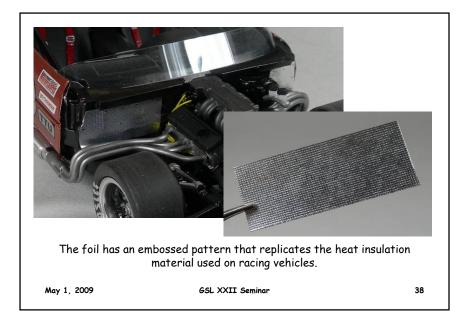




The fine mesh can be used to duplicate the air intakes screens seen on '60's drag cars or stock cars.



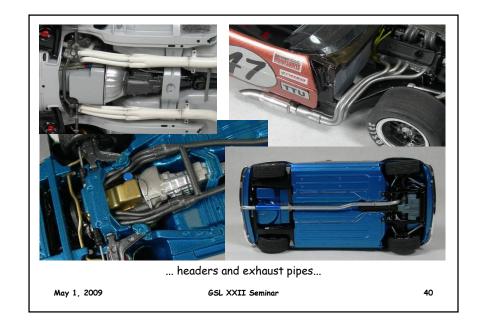
Wrapping foil can be found at cake decorating supply stores or in the cake decorating department of hobby and craft stores.





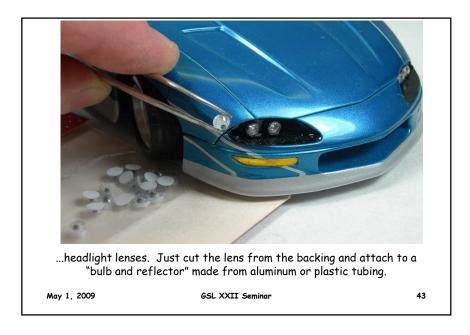
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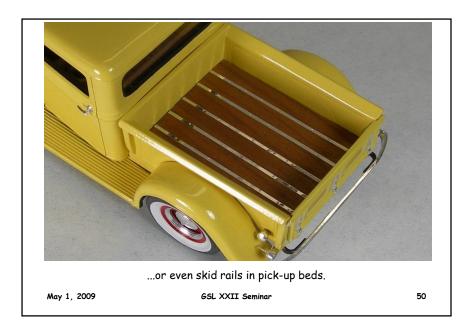




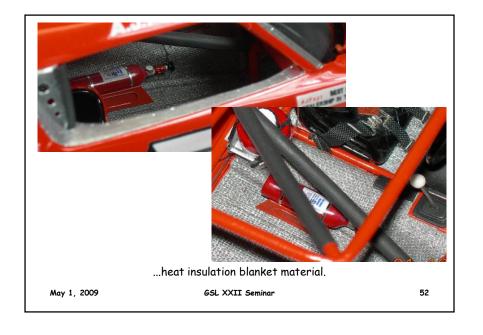


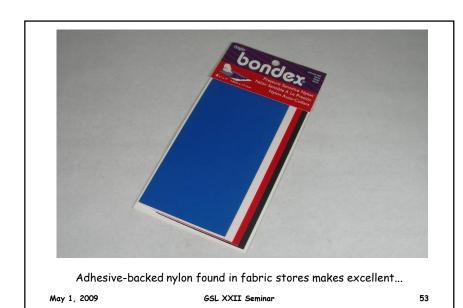






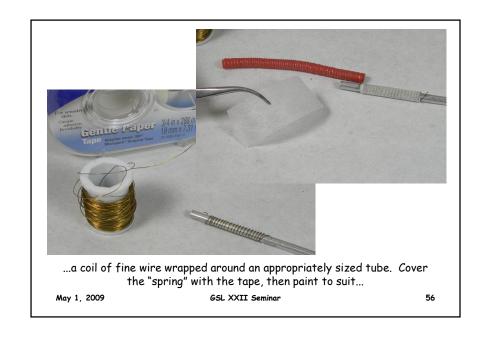


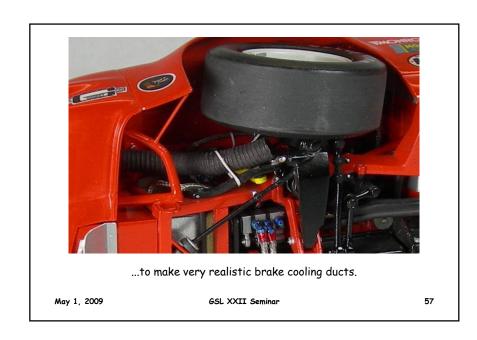


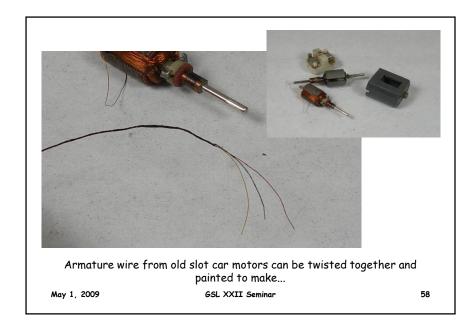


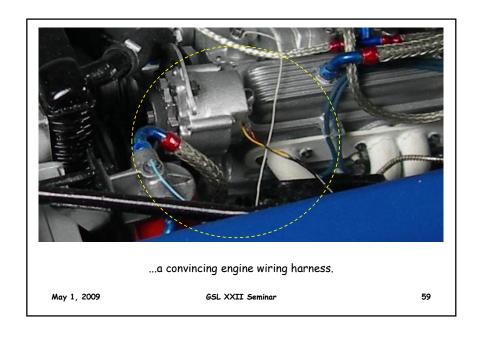




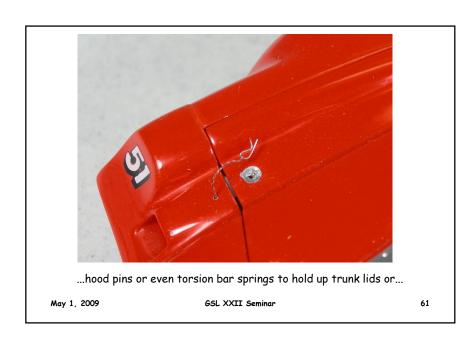


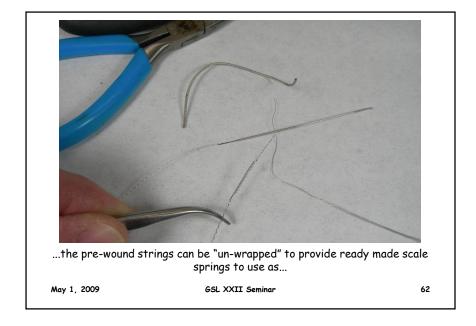


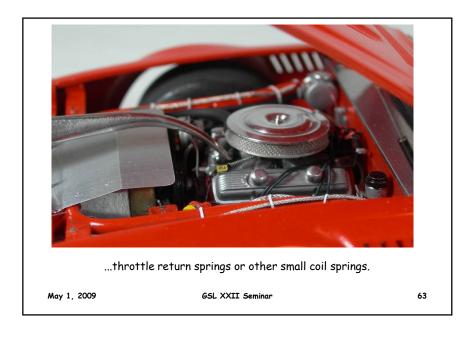


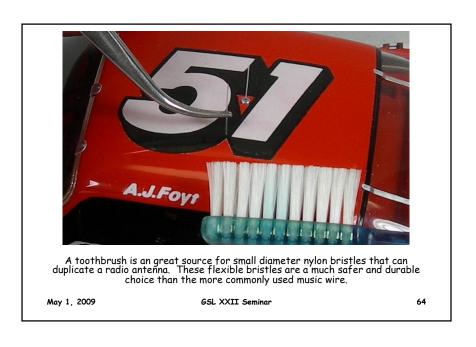






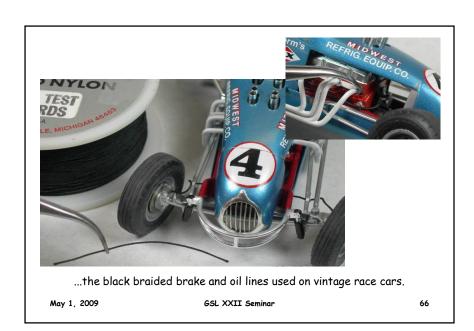


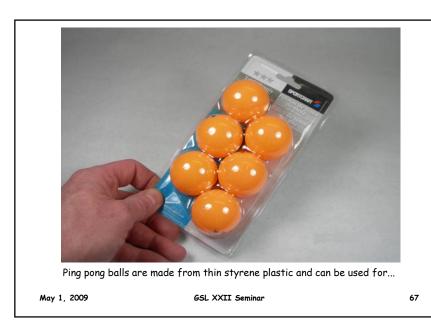


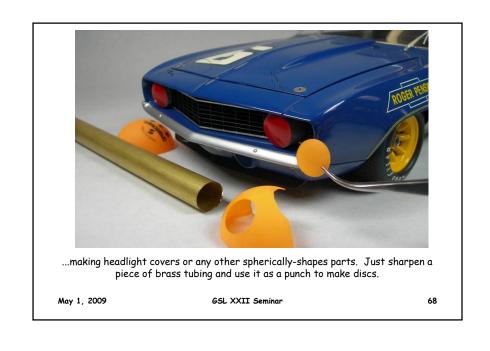


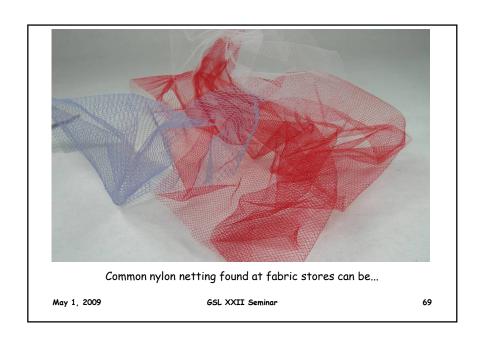


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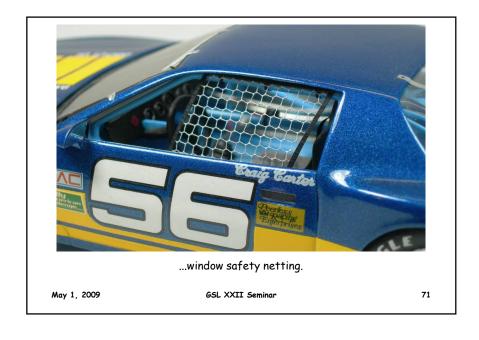


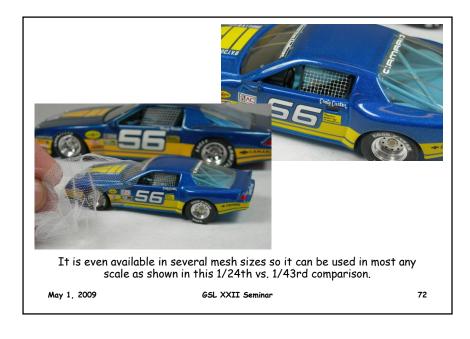


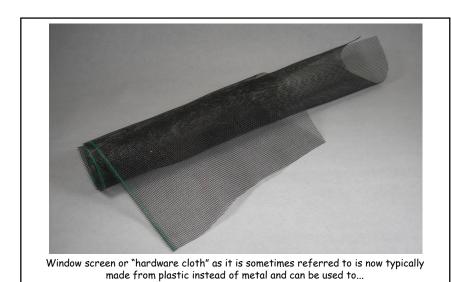






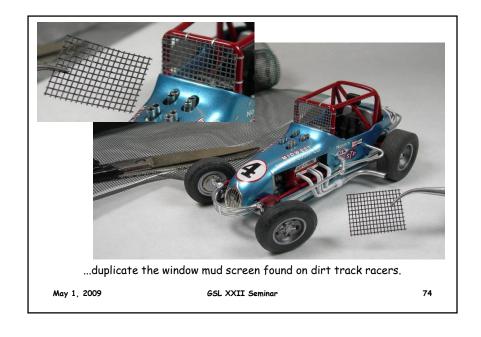


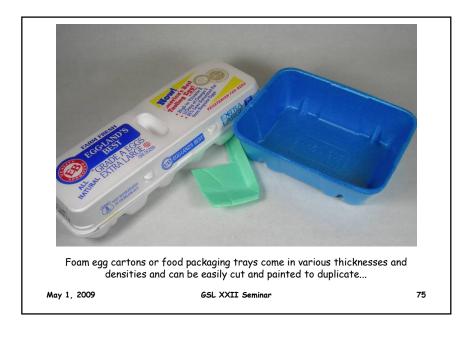


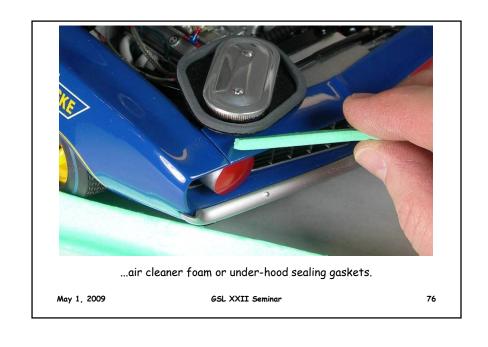


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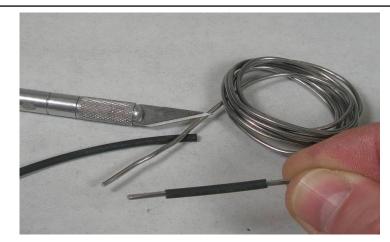




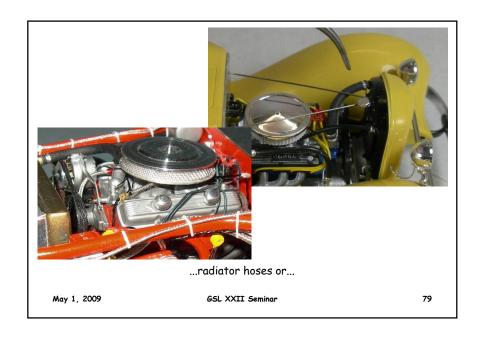


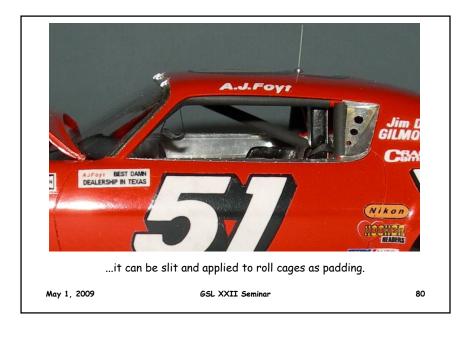
Electrical tape makes convincing air dam skirts when cut to size and detailed with some rivets. It is also available in a variety of colors to suit your particular needs.

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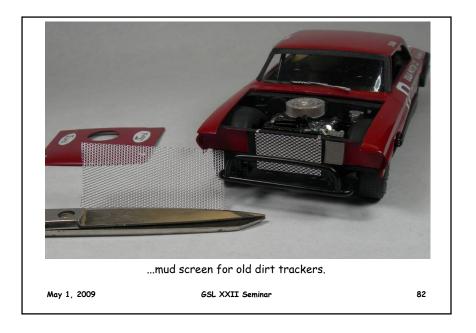


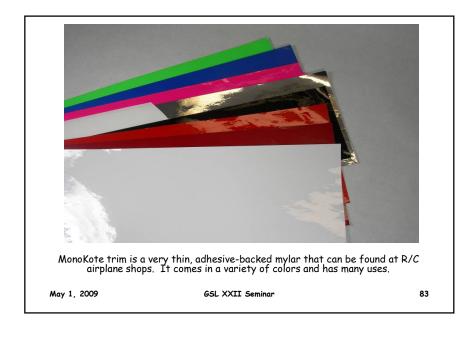
Heat shrink tubing can be slipped over solder and carefully heat shrunk to replicate...

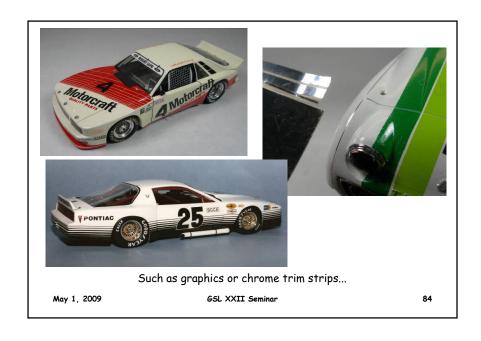




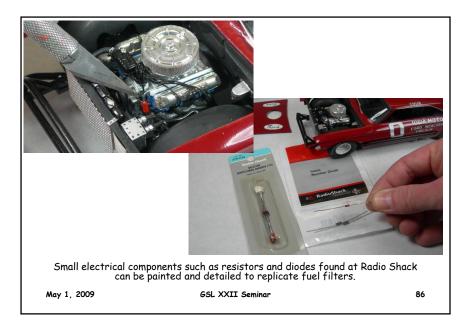




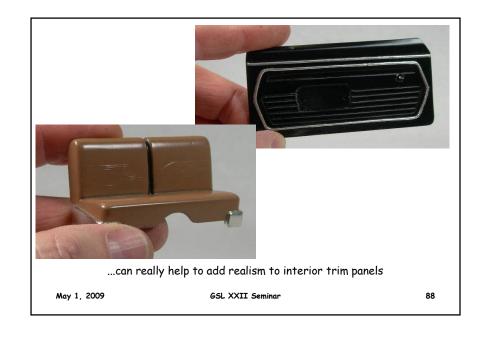


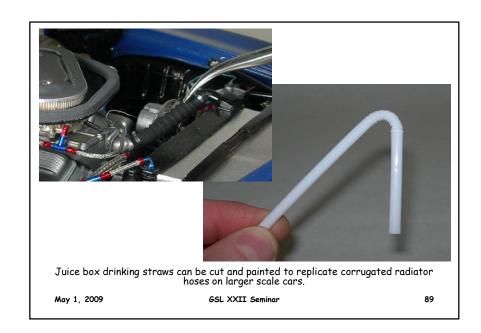


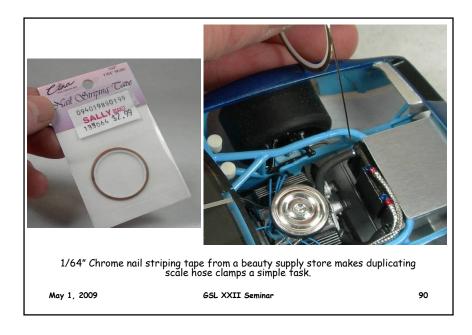






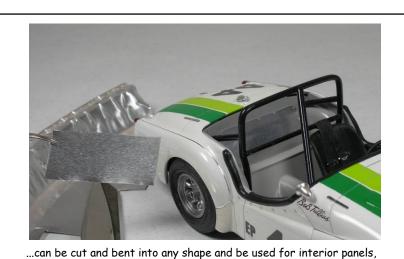








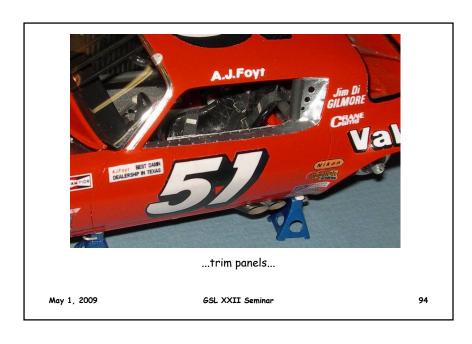


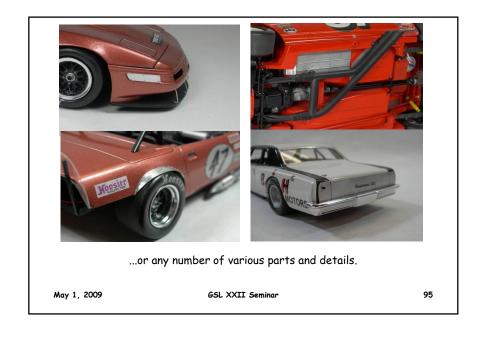


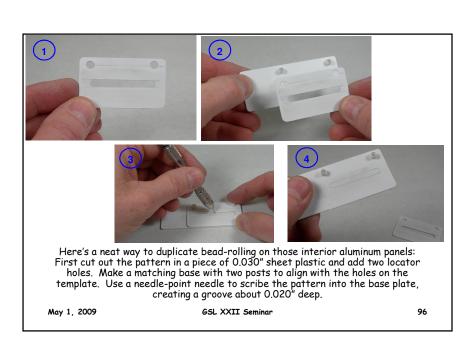
blank-off panels...

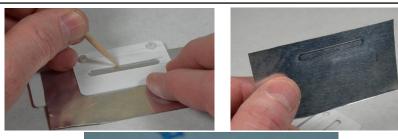
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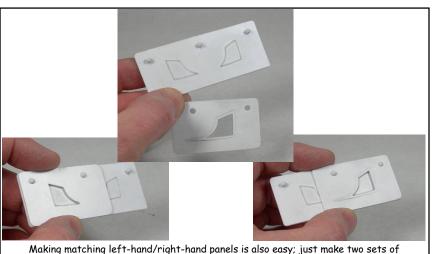






Slide a piece of aluminum pan material in between the pattern and the base and emboss it following the template using a pointed wooden dowel to create the raised bead. Cut the piece to shape and install.

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Making matching left-hand/right-hand panels is also easy; just make two sets of pegs on the base and flip the template to produce the mirror-image panels.

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And finally, an oldie, but a goodie.

I include it as a tribute to Don Emmons. His "Detail for Real" column in Model
Car Science Magazine formed the basis for my modeling building.

Map pins come in many sizes and colors and can be used to replicate many round objects on cars such as shift knobs, as well as...

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...working scale ball joints. Remove the plastic head of a map pin and drill out the center hole to accept a jeweler's screw. Next, drill a blind hole in the control arm slightly larger than the pin head. Insert the "ball joint" through the control arm and thread it into the knuckle.